

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	"5279766".pn.	USPAT	OR	OFF	2008/07/15 10:03
S2	1	"20040180245"	US-PGPUB	OR	OFF	2008/07/15 13:03
S3	15	("3223659"   "3755497"   "3787523"   "4026941"   "4029694"   "4094796"   "4233196"   "4301048"   "4509950"   "4521586"   "4909852").PN. OR ("5279766").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/15 13:10
S4	16	hydrocarbon with reform\$ and (emuls\$6 same sulfonic)	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/15 13:15
S5	16	hydrocarbon with reform\$ and (emuls\$7 same sulfonic)	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/15 13:15
S6	1	"5330666".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/15 13:17
S7	6	423/648.1.ccls. and sulfonic	USPAT	OR	OFF	2008/07/15 13:27
S8	15	423/648.1.ccls. and sulfonic	US-PGPUB; USPAT	OR	ON	2008/07/15 13:27
S9	5	423/650.ccls. and sulfonic	US-PGPUB; USPAT	OR	ON	2008/07/15 13:28
S10	1	"20030165722"	US-PGPUB; USPAT	OR	ON	2008/07/15 13:29
S11	1	"alkyl ethoxylated amine" with "alkyl aromatic sulfonic acid"	US-PGPUB; USPAT	OR	ON	2008/07/15 13:44
S12	1	"alkyl ethoxylated amine" same "alkyl aromatic sulfonic acid"	US-PGPUB; USPAT	OR	ON	2008/07/15 13:44
S13	0	"alkyl ethoxylated amine" same "alkyl sulfonic acid"	US-PGPUB; USPAT	OR	ON	2008/07/15 13:44
S14	0	"alkyl ethoxylated amine" and "alkyl sulfonic acid"	US-PGPUB; USPAT	OR	ON	2008/07/15 13:45
S15	10	"alkyl ethoxylated amine" and "sulfonic acid"	US-PGPUB; USPAT	OR	ON	2008/07/15 13:45

S16	0	("2003/0138373").URPN.	USPAT	OR	OFF	2008/07/15 13:54
S17	24	("2401903"   "2481583"   "2758086"   "2917160"   "3769214"   "4434066"   "4569776"   "4569777"   "4776967"   "4853139"   "5085793").PN. OR ("5330666").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/15 13:57
S18	19	("2401903"   "2481583"   "2758086"   "2917160"   "3769214"   "4434066"   "4569776"   "4569777"   "4776967"   "4853139"   "5085793").PN. OR ("5330666").URPN. and sulf\$	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/15 13:57
S19	1651	"ethanol amine" and "sulfonic acid"	US-PGPUB; USPAT; USOCR	OR	OFF	2008/07/15 13:59
S20	73	"ethanol amine" and "alkyl sulfonic acid"	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/15 14:00
S21	7	"ethanol amine" same "alkyl sulfonic acid"	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/15 14:00
S22	4213	"alkyl sulfonic acid"	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/15 14:30
S23	877	"alkylaryl sulfonic acid"	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/15 14:30
S24	1	"alkylaryl sulfonic acid" and hydrocarbon with reform\$	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/15 14:30
S25	61	"alkylaryl sulfonic acid" and hydrocarbon with emulsif\$7	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/15 14:33
S26	1	"6890672".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/15 15:27
S27	125	Varadaraj-Ramesh.in.	US-PGPUB; USPAT	OR	ON	2008/07/15 20:11
S28	104	Varadaraj-Ramesh.in. and sulf\$7	US-PGPUB; USPAT	OR	ON	2008/07/15 20:11
S29	25	Varadaraj-Ramesh.in. and sulf\$7 and amine	US-PGPUB; USPAT	OR	ON	2008/07/15 20:15

S30	8	Berlowitz-Paul-J.in. and sulf\$7 and amine	US-PGPUB; USPAT	OR	ON	2008/07/15 21:41
S31	7	S30 not S29	US-PGPUB; USPAT	OR	ON	2008/07/15 21:41

7/16/2008 2:33:46 PM

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